

What is claimed is:

1. A system for elimination of printing registration errors, comprising:
 - a processor programmed for:
 - predicting registration errors; and
 - 5 computing distortion parameters based on said registration errors for creating distorted images; and
 - an exposure system in communication with said processor, said exposure system configured for exposing said distorted images.
2. The system of claim 1, wherein said processor is additionally programmed
10 for receiving input data including: paper data, at least one machine parameter, at least one fixed error map, and the ink distribution data.
3. The system of claim 2, wherein said ink distribution data is from a low resolution image file.
4. The system of claim 1, where said exposure system includes a strobe card
15 configured for changing timing signals.
5. The system of claim 1, wherein said exposure system includes means for changing the resolution of an image.
6. A method for preparation of printing members comprising:
 - providing a reference image;
 - 20 calculating errors for substantially all of the pixels for at least one separation in said reference image; and
 - utilizing at least one of strobe data or data manipulation card in combination with said calculated errors to control the rate of imaging to create a distorted image.
- 25 7. The method of claim 6, wherein said step of providing a reference image includes providing said reference image in a low resolution file.
8. The method of claim 6, additionally comprising:
 - providing a printing member; and
 - placing said distorted image onto said printing member.